PTO/SB/80 (12-03) Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

l her	eby appoint:					
X	Practitioners associated with the Customer Number:	2998	9			
(OR L					
	Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):					
	Name		Registration	Number		
				REC)EIV E	
				APR	1 6 2 004	
				Technolo	gy Ce nter 2	260
any a	comey(s) or agent(s) to represent the undersigned before and all patent applications assigned only to the undersigned to this form in accordance with 37 CFR 3.73(b).					
Assignee Name and Address:						
	TiVo Inc. 2160 Gold Street					
	P. O. Box 2160					
	Alviso, California 9500)2				
					j	
requ may	opy of this form, together with a statement or dired to be filed in each application in which the completed by one of the practitioners a	n this form is used. Tappointed in this form	he stateme	nt under 37 CFR 3 inted practitioner	3.73(b) is	
	orized to act on behalf of the assignee, and representation of the assignee.	d must identify the ap	oplication in	which this Powe	r of	
		RE of Assignee of Record supplied below is authorized	d to act on beha	alf of the assignee		
Name	James M. Barton		-			
Signa			Date	March 9	, 2004	
Title	Onief Technical Officer	?	Telephone	408-519-93		
This co	ollection of information is fequired by 37 CFR 1.31 and 1.33. The	information is required to obtain	or retain a benef	it by the public which is to t	file (and by the	

USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/96 (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

SIAIE	WEN1 UNDER 37 CFR 3.73(D)						
Applicant/Patent Owner: TiVo Inc.	60097-0039						
Application No./Patent No.: 09/422,121	Filed/Issue Date: 10/20/1999						
Entitled: Data Storage Management and Scheduling System							
	, a <u>Delaware Corporation</u>						
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, green manageney, etc.)							
states that it is: 1. It is assignee of the entire right, title, and interest; or APR 1 6 20							
2. an assignee of less than the entire right, title The extent (by percentage) of its ownership in the patent application/patent identified above by	e and interest. interest is% Technology Center 2600						
A. [/] An assignment from the inventor(s) of the p in the United States Patent and Trademark (attached.	patent application/patent identified above. The assignment was recorded Office at Reel <u>010335</u> , Frame <u>0392</u> , or for which a copy thereof is						
OR							
B. [] A chain of title from the inventor(s), of the pabelow:	atent application/patent identified above, to the current assignee as shown						
The document was recorded in the L Reel, Frame 2. From: The document was recorded in the L	To: United States Patent and Trademark Office at, or for which a copy thereof is attached. To: United States Patent and Trademark Office at						
3. From:	, or for which a copy thereof is attachedTo: United States Patent and Trademark Office at						
Reel, Frame, or for which a copy thereof is attached.							
[] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]							
The undersigned (whose title is supplied below) is	authorized to act on behalf of the assignee.						
April 9 , 2004	Kirk D. Wong						
Date	Typed or printed name						
(408) 414-1080, ext. 214	4/11						
Telephone number	Signature						
	Attorney of Record						
	Title						

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.